STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

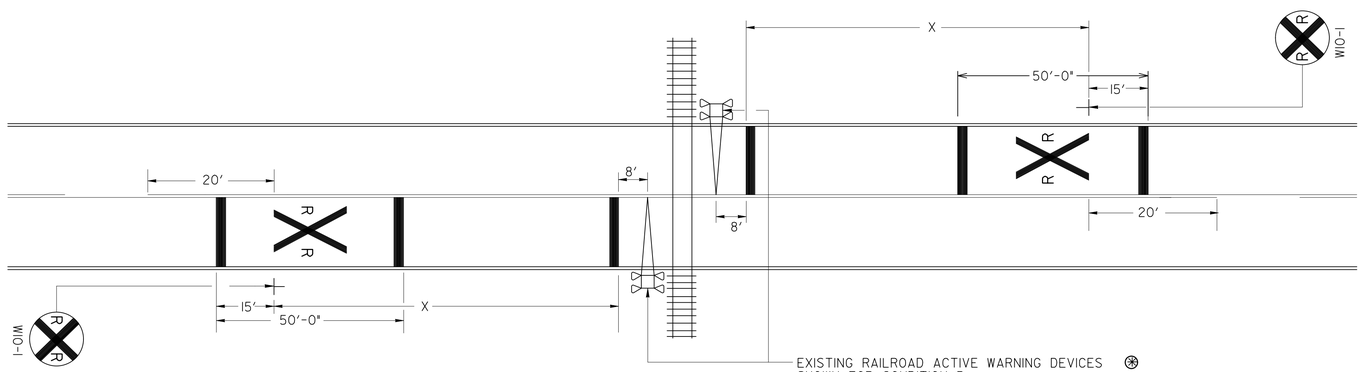
TYPICAL PAVEMENT MARKINGS
(FOR CROSSINGS WITH ACTIVE DEVICES)

GUIDELINES FOR ADVANCE PLACEMENT OF WARNING SIGNS
(Source: 2009 Edition MUTCD)

SPEED (MPH)	ADVANCE PLACEMENT DISTANCE	
	CONDITION B (ACTIVE DEVICES CROSSING) MINIMUM	CONDITION A (PASSIVE DEVICES CROSSING ONLY) MINIMUM
0-20	100	225
25	100	325
30	100	460
35	100	565
40	125	670
45	175	775
50	250	885
55	325	990
60	400	1100
65	475	1200

* WHERE THIS DISTANCE IS DISRUPTED BY GRADES, CURVATURE, SIGHT DISTANCE, OR PHYSICAL CONDITIONS OF ROADWAY, ADJUSTMENTS WILL BE MADE ACCORDINGLY BY THE ENGINEER.

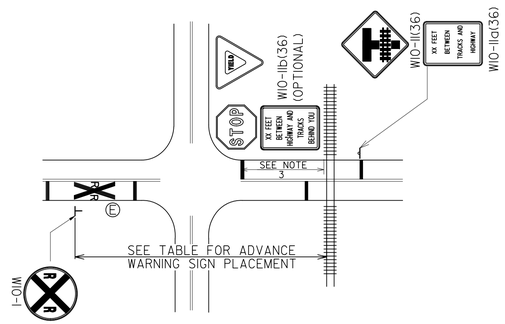
See Guidelines for
X = Advance Placement of
Warning Sign
Distance Table



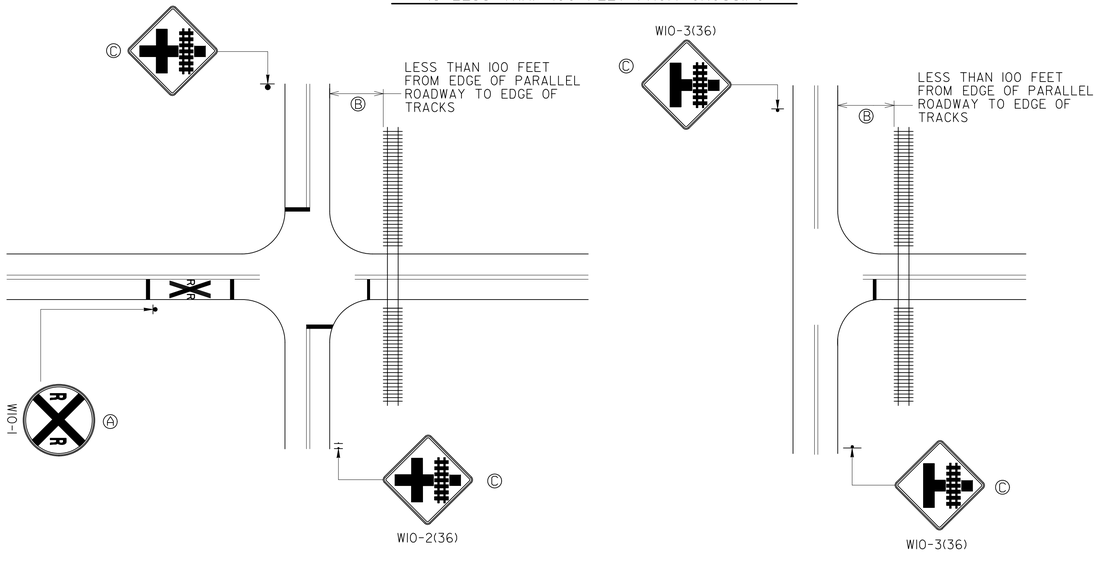
NOTES:
1. ROADWAY PAVEMENT MARKINGS SHALL BE ADDED FOR ALL RAILROAD CROSSING UPGRADES.
2. SEE MUTCD FOR DETAILS OF PAVEMENT MARKINGS AT PASSIVE RAILROAD CROSSINGS
3. SEE PLANS FOR STOP, YIELD AND RAILROAD WARNING SIGN LOCATIONS.
4. SEE PLANS IF NECESSARY FOR STOP OR YIELD AHEAD SIGNS.
5. CENTER LINE PROHIBITING PASSING IN APPROACH TO CROSSING SHALL EXTEND MINIMUM OF 20 FEET BEYOND RR WARNING SIGN (W10-1)
6. WHERE CENTERLINE AND/OR EDGE LINES DO NOT EXIST, RR SYMBOL MARKINGS SHALL EXTEND FROM THE EDGE OF PAVEMENT TO AT LEAST HALFWAY ACROSS THE PAVEMENT.

⊛ SEE MUTCD FOR CONDITION A (PASSIVE TRAFFIC CONTROL SYSTEMS)

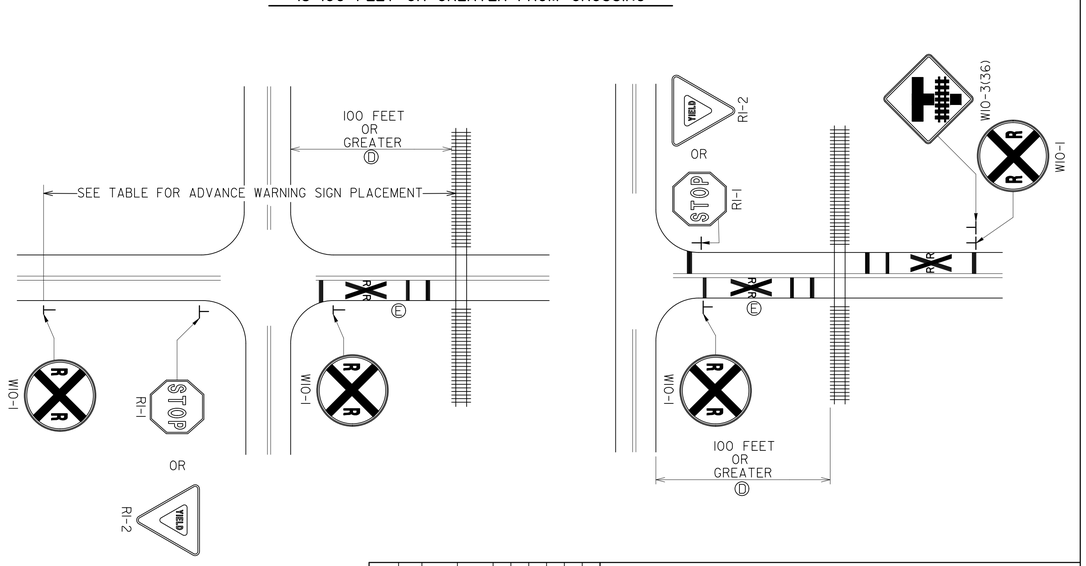
NOTES:
1. A W10-11 SIGN SUPPLEMENTED BY A W10-11A SIGN SHOULD BE USED WHERE THERE IS A HIGHWAY INTERSECTION IN CLOSE PROXIMITY TO THE GRADE CROSSING AND AN ENGINEERING STUDY DETERMINES THAT ADEQUATE SPACE IS NOT AVAILABLE TO STORE A DESIGN VEHICLE(S) BETWEEN THE HIGHWAY INTERSECTION AND THE TRAIN.
2. THE W10-11 AND W10-11a SIGNS SHOULD BE MOUNTED IN ADVANCE OF THE GRADE CROSSING AT AN APPROPRIATE LOCATION TO ADVISE DRIVERS OF THE SPACE AVAILABLE FOR HIGHWAY VEHICLE STORAGE BETWEEN THE HIGHWAY INTERSECTION AND THE GRADE CROSSING.
3. OPTIONAL - A STORAGE SPACE (W10-11B) SIGN MAY BE MOUNTED BEYOND THE GRADE CROSSING AT THE HIGHWAY INTERSECTION UNDER THE STOP OR YIELD SIGN OR JUST PRIOR TO THE SIGNALIZED INTERSECTION TO REMIND DRIVERS OF THE STORAGE SPACE BETWEEN THE TRACKS AND THE HIGHWAY INTERSECTION.



TYPICAL SIGN SYSTEM WHERE PARALLEL ROADWAY IS LESS THAN 100 FEET FROM CROSSING



TYPICAL SIGN SYSTEM WHERE PARALLEL ROADWAY IS 100 FEET OR GREATER FROM CROSSING



NOTES:

Ⓐ IF A YIELD AHEAD OR STOP AHEAD SIGN IS INSTALLED ON THE APPROACH TO THE CROSSING, THE W10-1 SIGN SHALL BE INSTALLED UPSTREAM FROM THE YIELD AHEAD OR STOP AHEAD SIGN. THE YIELD AHEAD OR STOP AHEAD SIGN SHALL BE LOCATED IN ACCORDANCE WITH TABLE 2C-4 OF THE M.U.T.C.D. THE MINIMUM DISTANCE BETWEEN THE SIGNS SHALL BE IN ACCORDANCE WITH SECTION 2C.05 AND TABLE 2C-4 OF THE M.U.T.C.D.

Ⓑ IF THE DISTANCE BETWEEN THE TRACKS AND A PARALLEL HIGHWAY, FROM THE EDGE OF THE TRACKS TO THE EDGE OF THE PARALLEL ROADWAY, IS LESS THAN 100 FEET, W10-2, W10-3, OR W10-4 SIGNS SHALL BE INSTALLED ON EACH APPROACH OF THE PARALLEL HIGHWAY TO WARN ROAD USERS MAKING A TURN THAT THEY WILL ENCOUNTER A GRADE CROSSING SOON AFTER MAKING A TURN, AND A W10-1 SIGN FOR THE APPROACH TO THE TRACKS SHALL NOT BE REQUIRED TO BE BETWEEN THE TRACKS AND THE PARALLEL HIGHWAY.

Ⓒ SIGN PLACEMENT SHOULD BE IN ACCORDANCE WITH THE GUIDELINES FOR INTERSECTION WARNING SIGNS IN THE M.U.T.C.D.

Ⓓ IF THE DISTANCE BETWEEN THE TRACKS AND THE PARALLEL HIGHWAY, FROM THE EDGE OF THE TRACKS TO THE EDGE OF THE PARALLEL ROADWAY, IS 100 FEET OR MORE, A W10-1 SIGN SHOULD BE INSTALLED IN ADVANCE OF THE GRADE CROSSING, AND THE W10-2, W10-3, OR W10-4 SIGNS SHOULD NOT BE USED ON THE PARALLEL HIGHWAY.

Ⓔ WHEN THE INTERSECTION ROADWAY IS CONTROLLED BY A STOP OR YIELD SIGN AT THE INTERSECTION APPROACH TO THE CROSSING, THEN PAVEMENT MARKINGS SHOULD BE PLACED BETWEEN THE PARALLEL ROADWAY AND THE TRACKS WHERE THERE IS OVER 100 FT BETWEEN THE EDGE OF THE TRACKS AND THE EDGE OF PARALLEL ROADWAY.

Ⓕ IDENTICAL MARKINGS SHALL BE PLACED IN EACH APPROACH LANE ON ALL PAVED APPROACHES TO GRADE CROSSINGS WHERE SIGNALS OR AUTOMATIC GATES ARE LOCATED, AND AT ALL OTHER GRADE CROSSINGS WHERE THE POSTED OR STATUTORY HIGHWAY SPEED IS 40 MPH OR GREATER.

BY	DATE	REVISION
CJB	2-2-17	REV. NOTE 2 & ⊛ COND. NOTE FM SEE 9023A TO SEE MUTCD
MDN	2-18-14	CORRECTED SPCL CONDITIONS
		REVISED ADVANCE PLACEMENT CHART TO M.U.T.C.D. 2009 ED.
		R.R. STANDARD MARKINGS RELOCATED
R.M.U.	10-15-96	⊛ COND. NOTES
R.M.U.	12-29-93	R.R. MARKINGS RELOCATED
R.M.U.	1- 9-92	ADD'L SPEC. COND.
R.M.U.	2- 1-89	UPDATE TO M.U.T.C.D.
R.M.U.	9-10-86	ADD W 10 - 130 SIGNS

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
RAILROAD GRADE CROSSINGS SIGNING & MARKING AT CROSSINGS WITH RR SIGNALS AND/OR GATES

NO SCALE — SEPT., 1982

DES. ____
REV. R.M.U.
TRA. G.M.E.
CHK. R.K.C.

(SUBMITTED) STATE DESIGN POLICY ENGINEER
(APPROVED) CHIEF ENGINEER

NUMBER 9024A